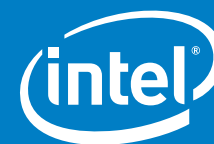




Thin Mini-ITX Component Catalog

2H, 2013



All-In-One PC Chassis

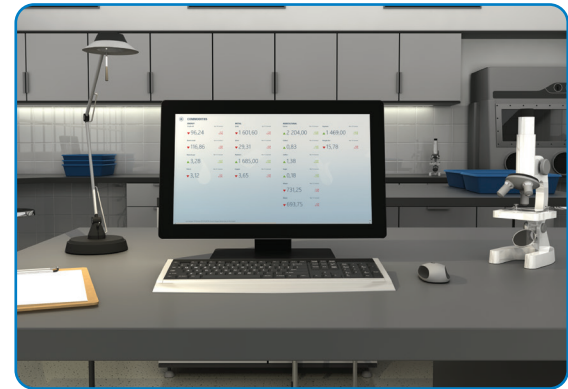
All-In-One PCs combine compelling design with support for a wide range of computing components. Integrate the appropriate blend of components with the AIO chassis of your choice to enable a variety of computing environments.



Graphic and Multimedia Design



Business Productivity



Educational Environments



Home Media Hub



Interactivity in the Kitchen



Training Environments

Help Customers Experience Windows* 8 at Its Best



Offer Intel-based All-In-One PCs for full software, application, and device compatibility

Help Customers Experience Windows* 8 at Its Best

Flexibility



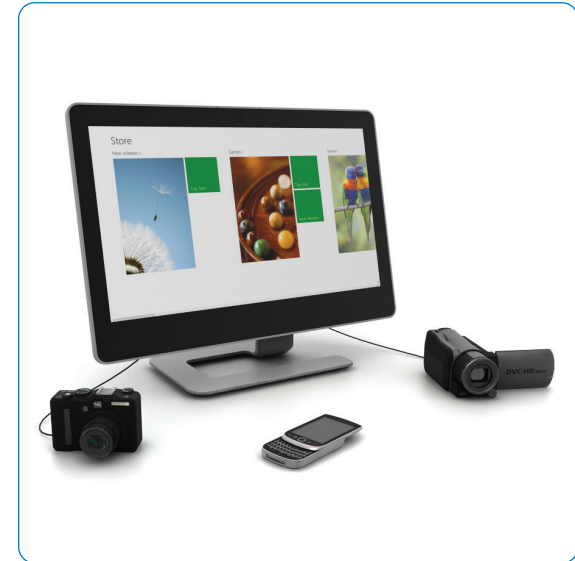
The versatility of the Windows* 8 interface is leading to new touch-enabled features, convertible formats, and other device innovations enabled by Intel® technologies.

Performance



From fast boot times and longer battery life to richer graphics and multimedia, new Intel® processors make the Windows* 8 user experience even better.

Compatibility



Intel-based devices provide a full, consistent Windows* 8 experience from one device to another, without the need for new hardware or software.

Offer Intel-based All-In-One PCs for full software, application, and device compatibility

Mitac* 8 Series All-In-One PC



Optimized for
Nuance* Dragon
Assistant



Voice
Certification
Capabilities

The Mitac* 8 series All-In-One PC is available in 21.5" and 23.6" touch and no-touch configurations, with a removable one-piece aluminum L-stand & VESA mount, edge-to-edge 1920 x 1080 HD IPS wide viewing angle LED panel, HD 720p webcam, dual array digital microphone, and voice certification capabilities.

Mitac* 7 Series All-In-One PC



The Mitac* 7 series All-In-One PC is available in 21.5" and 23.6" touch and no-touch configurations, with a removable one-piece aluminum L-stand & VESA mount, edge-to-edge 1920 x 1080 HD IPS wide viewing angle LED panel and HD 720p webcam and dual array digital microphone.

ECS* G24 All-In-One PC



The ECS* G24 All-In-One PC is available in touch and no-touch configurations, with optional infrared remote control, edge-to-edge 23.6" 1920 x 1080 LED with optional 10-finger multi-touch display and a 1.3 megapixel web camera with digital microphone.

Loop* LP-2150 All-In-One PC



The Loop* LP-2150 All-In-One PC is available in touch and no-touch configurations, edge-to-edge 21.5" 1920 x 1080 LED with optional 10-finger multi-touch display, 1.3 megapixel camera, digital microphone, aluminium and glass stand with internal cable routing capabilities.

Loop* LP-2151 All-In-One PC



The Loop* LP-2151 All-In-One PC is available in touch and no-touch configurations, edge-to-edge 21.5" 1920 x 1080 LED with optional 10-finger multi-touch display and a 1.3 megapixel web camera with digital microphone.

Wibtek* A23 All-In-One PC



The Wibtek* A23 All-In-One PC is available in touch and no-touch configurations, edge-to-edge 23.6" 1920 x 1080 LED with optional 10-finger multi-touch display and a 2.0 megapixel web camera with digital microphone.

KME* A2E7X All-In-One PC



The KME* A2E7X All-In-One PC is available in touch and no-touch configurations, edge-to-edge 21.5" 1920 x 1080 LED with optional 10-finger multi-touch display and VESA mount capability.

Gigabyte* AC21BT All-In-One PC



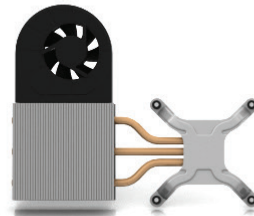
The Gigabyte* AC21BT All-In-One PC is available in touch and no-touch configurations, edge-to-edge 21.5" 1920 x 1080 LED with optional 10-finger multi-touch display and VESA mount capability.

The Thin Mini-ITX Platform

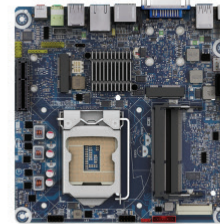
The Thin Mini-ITX platform is fueling the transformation of the desktop. Built around the standard thermal solution and a motherboard with a 25mm I/O shield, this platform gives users the power of a desktop in a thin, stylish package.



All-In-One PC



Thermal Solution



Thin Mini-ITX Motherboard



Small Form Factor PC



mSATA



Solid-State Drive



Hard Disk Drive



Optical Drive



Memory



Processor



Wireless

All-in-One Multi-Touch Enabled Chassis



ECS*

Model: G24 Aura
Size: 23.6 inches



Wibtek*

Model: A23
Size: 23.6 inches



Mitac*

Model: 7 Series: 770/780; 8 Series: 870/880
Size: 770/870 – 21.5 inches
780/880 – 23.6 inches



Loop*

Model: LP-2150 Touch
Size: 21.5 inches



Loop*

Model: LP-2151 Touch
Size: 21.5 inches



KME*

Model: A2E7X
Size: 21.5 inches

All-in-One Multi-Touch Enabled Chassis



Gigabyte*

Model: AC21BT

Size: 21.5 inches

All-in-One Chassis



ECS*

Model: G24 Aura
Size: 23.6 inches



Wibtek*

Model: A23
Size: 23.6 inches



Mitac*

Model: 7 Series: 770/780; 8 Series: 870/880
Size: 770/870 – 21.5 inches
780/880 – 23.6 inches



Loop*

Model: LP-2150
Size: 21.5 inches



LG*

Model: LGE 22AM33NB
Size: 21.5 inches



Loop*

Model: LP-2151
Size: 21.5 inches

All-in-One Chassis



Gigabyte*

Model: GB-AEDT
Size: 21.5 inches



Gigabyte*

Model: GB-AEGT
Size: 24 inches



KME*

Model: HP-A205
Size: 21.5 inches



Shuttle*

Model: AIO Panel C
Size: 18.5 inches



Mitac*

Model: Maestro 650 Stand
Size: 21.5 inches



Wibtek*

Model: A21
Size: 21.5 inches

All-in-One Chassis



ECS*

Model: G11
Size: 21.5 inches



Gigabyte*

Model: GB-AEBN
Size: 18.5 inches



Mitac*

Model: Maestro 650
Size: 21.5 inches



DQ*

Model: Maxx Series
Size: 18.5 inches; 21.5 inches; 23.6 inches



Jumper*

Model: ET30/Sail
Size: 21.5 inches



Wibtek*

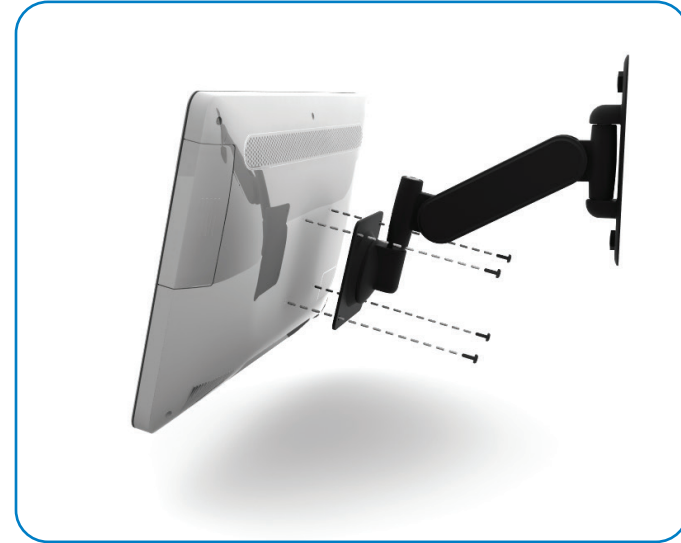
Model: AMV 18
Size: 21.5 inches

VESA Mount Options

Select AIO PCs can be VESA mounted. This creates the opportunity for single, dual or triple mount solutions using supported VESA desk and wall mounts.



Example of VESA Mounted System



Standardized Bracket



Wall Mounted

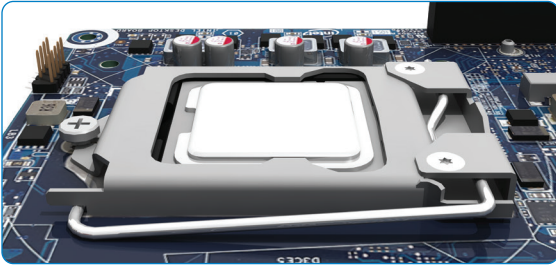


Desk Mounted

Thin Mini-ITX Desktop Boards

Thin Mini-ITX Motherboards are the foundation of the platform. These motherboards utilize 4th generation Intel® Core™ processors in the LGA1150 package and innovative premium features to deliver a rich user experience with all the power of a desktop in a minimal form factor. This combination represents the perfect solution for high-performance AIO systems, Tiny PCs, and home theater PC systems.

Powerful Computing



Thin mini-ITX Desktop Boards based on the Intel® 8-Series Chipset support 4th generation Intel® Core™ i7, Intel® Core™ i5 processors and other Intel® processors with a 65 Watt TDP in the LGA1150 package.

Rich Multimedia



Connect a wide range of supported devices to the available IO ports on the chosen thin mini-ITX based desktop boards. These can include high-speed USB3, HDMI and Intel® Wireless Adapters to support loading, modifying and streaming digital media.

Exceptional Graphics



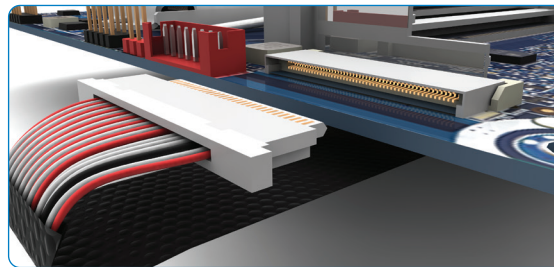
The built-in visuals of the 4th Generation Intel® Core™ processors deliver everything you need to enjoy a stunning graphic experience when interacting with pictures and media on your PC thanks to Intel® HD Graphics 4600—the new baseline for all 4th gen Intel® Core™ i5 and Intel® Core™ i7 processors.

Mini PCI-Express



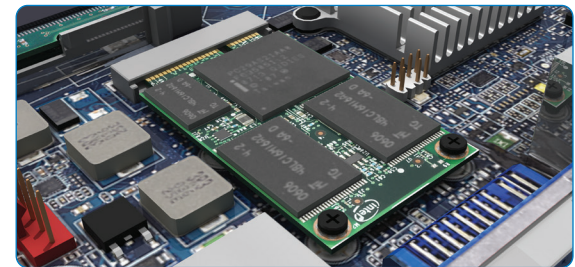
Many thin mini-ITX Desktop boards support a combination of full size PCI-Express* mini-card and half-size PCI-Express* mini-card connectors. The mini-card connectors are ideal for support of mSATA solid state drives, WiFi adapters and third party TV Tuner modules.

LVDS & EDP



Thin Mini-ITX Desktop Boards may support a local flat panel display via on-board LVDS connectivity that can enable a wide range of display panels for maximum flexibility when defining All-in-One system configurations.

mSATA



mSATA is available on many thin mini-ITX Desktop Boards. It is generally implemented as a low profile, full-size Mini PCI Express* connector combined with specific desktop board functionality.

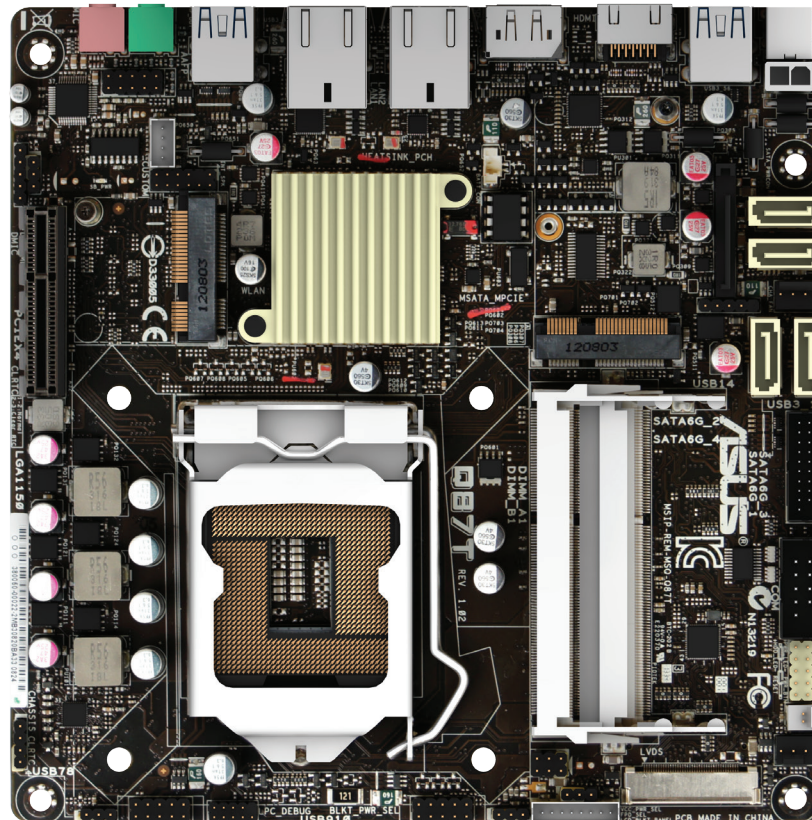
Asus* Q87T Thin Mini-ITX Desktop Board

This Thin Mini-ITX Desktop board based on the Intel® Q87 Express chipset, supports Intel® 4th Generation Core™ processors in the LGA1150 package up to 65W TDP, with iGPU, memory and PCI Express controllers integrated to support onboard graphics output with dedicated chipsets and 2-channel(2 SODIMM) DDR3 memory. The Intel® Q87 Express chipset is a single-chipset design. It natively supports up to six USB 3.0 ports for up to ten times faster transfer rates than USB 2.0. Moreover, the Intel® Q87 Express chipset also supports iGPU functionality, letting users enjoy the latest Intel integrated graphics performance. In addition this Thin Mini-ITX Desktop board supports Intel® vPro™ Technology and Intel® Small Business Advantage. For more information on these technologies and their implementation, please visit <http://www.asus.com>.



Thin Mini-ITX Desktop Boards Support:

- LGA1150 Socket
- SODIMM Memory
- LVDS and/or EDP Headers internal display
- Onboard DC Power Connector
- Mini PCI-E* ports for expandability



The Asus* Q87T Thin Mini-ITX Desktop Board includes:

- Support for Intel® 4th Generation Core™ processors in the LGA1150 package up to 65W TDP
- Support for 1600MHz Memory
- 2 Mini PCI-E* Slots
- Gigabit LAN
- HDMI* Full Display Out

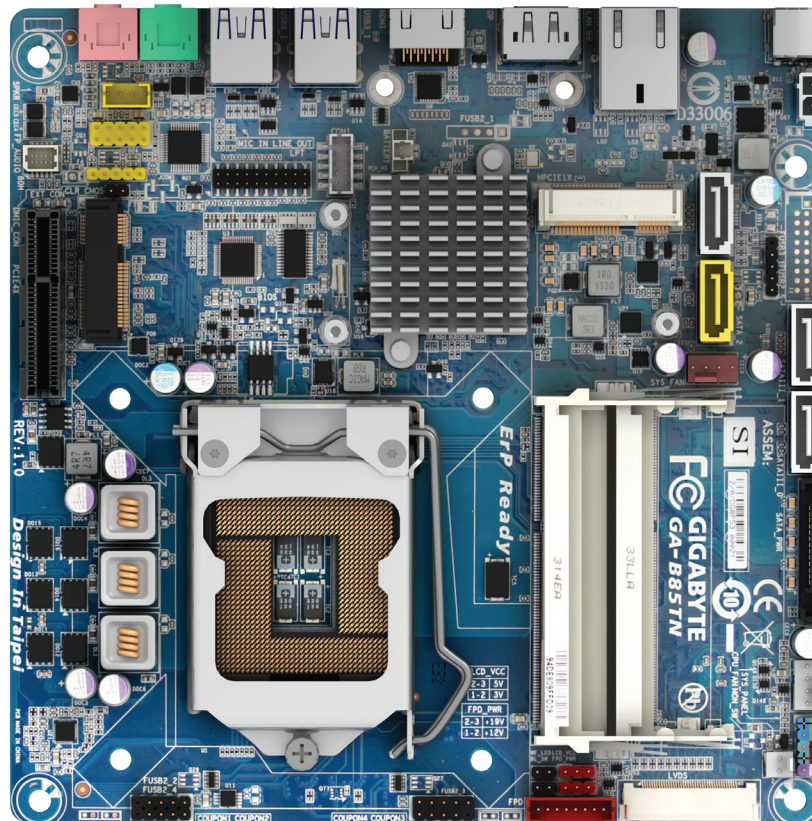
Gigabyte* B85T Thin Mini-ITX Desktop Board

Gigabyte* 8 Series Thin Mini-ITX Desktop Boards support the latest 4th Generation Intel® Core™ processors up to 65W TDP, bringing together a unique blend of features to promote a compelling user experience with the power of a desktop in a compact form factor. The latest Intel 8 Series platform offers significant improvements in performance and power consumption with the latest 4th generation Intel® Core™ processors and Intel® B85 chipsets. As well as a boost in overall productivity, the latest HD4600 Intel® processor graphics provide native 4K resolution playback over standard HDMI connectivity, with significantly higher frame rates in the latest DX11 3D game titles. The range of Gigabyte* 8 Series Thin Mini-ITX Desktop Boards includes the H81TN, B85TN, H87TN and Q87TN models. For more information, please visit <http://www.gigabyte.com>.



Thin Mini-ITX Desktop Boards Support:

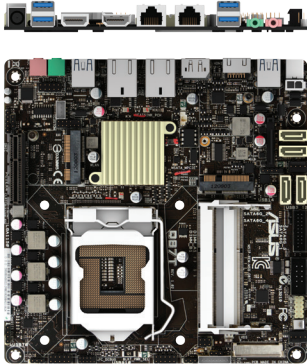
- LGA1150 Socket
- SODIMM Memory
- LVDS and/or EDP Headers internal display
- Onboard DC Power Connector
- Mini PCI-E* ports for expandability



Gigabyte* B85T Thin Mini-ITX Desktop Board includes:

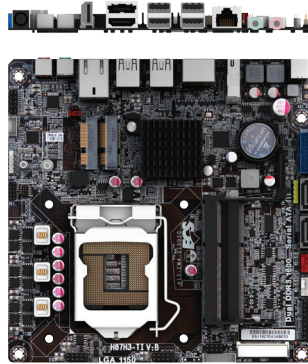
- Support for Intel® 4th Generation Core™ processors in the LGA1150 package up to 65W TDP
- Support for 1600MHz Memory
- 2 Mini PCI-E* Slots
- Gigabit LAN
- HDMI* Full Display Out

Intel® 8 Series Desktop Boards



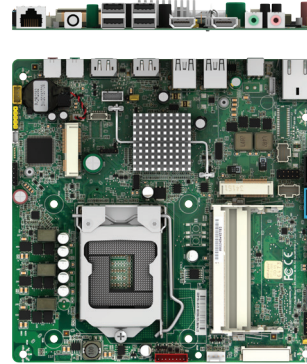
Asus*

Model: Q87-TI
Chipset: Q87



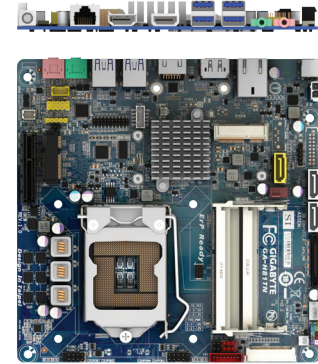
ECS*

Model: H87H3-TI
Chipset: H87



Mitac*

Model: M870D
Chipset: H87



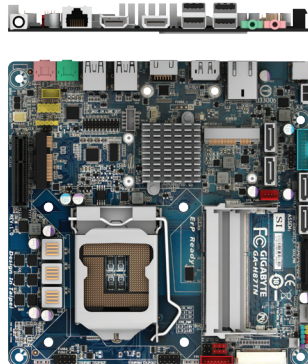
Gigabyte*

Model: H81 TN
Chipset: H81



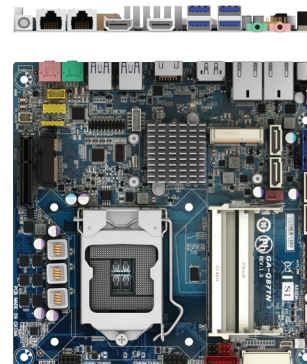
Gigabyte*

Model: B85TN
Chipset: B85



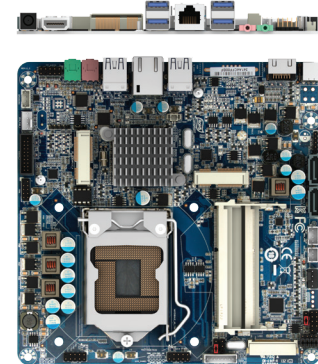
Gigabyte*

Model: H87TN
Chipset: H87



Gigabyte*

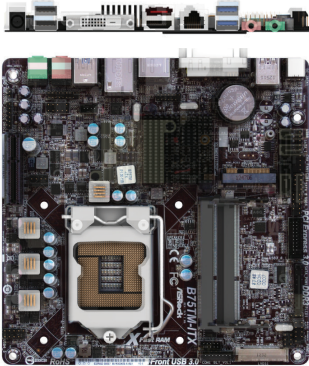
Model: Q87TN
Chipset: Q87



Wibtek*

Model: TH87G-SA
Chipset: H87

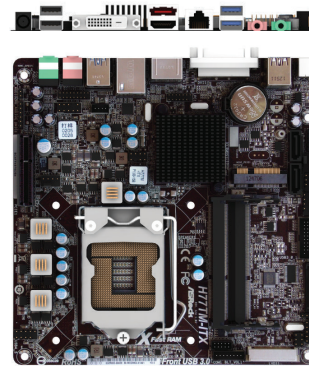
Intel® 6 Series and 7 Series Desktop Boards



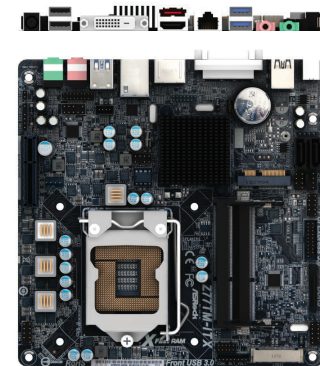
Asrock*
Model: B75TM-ITX
Chipset: B75



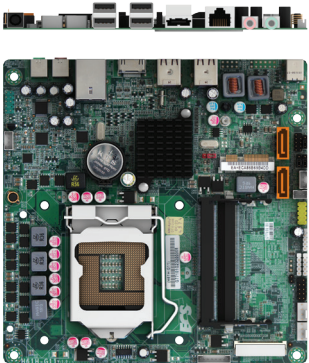
Asrock*
Model: H61TM-ITX
Chipset: H61



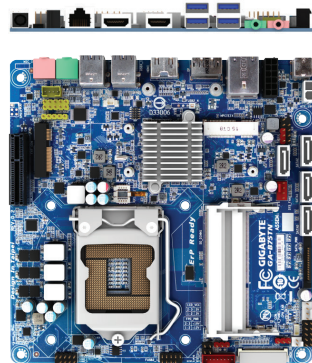
Asrock*
Model: H77TM-ITX
Chipset: H77



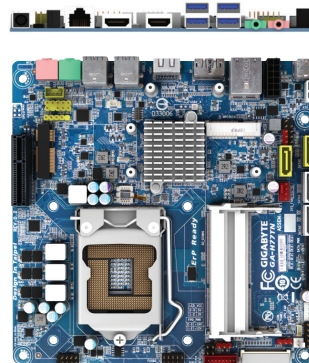
Asrock*
Model: Z77TM-ITX
Chipset: Z77



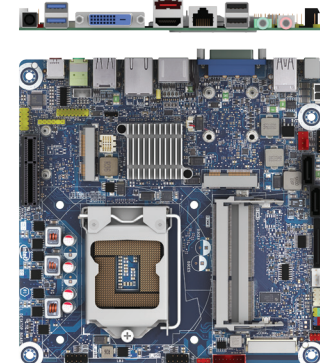
ECS*
Model: H61H-G11
Chipset: H61



Gigabyte*
Model: GA-B75TN
Chipset: B75

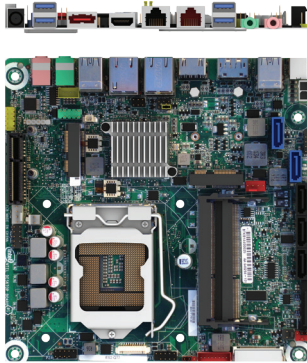


Gigabyte*
Model: GA-H77TN
Chipset: H77



Intel*
Model: DH61AG
Chipset: H61

Intel® 6 Series and 7 Series Desktop Boards



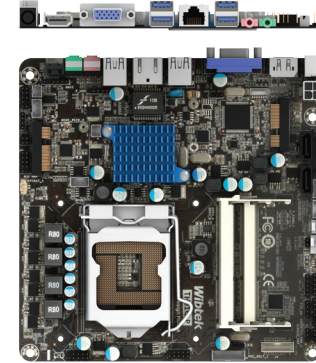
Intel*
Model: DQ77KB
Chipset: Q77



Intel*
Model: DH61AGL
Chipset: H61



Wibtek*
Model: TH61G-S
Chipset: H61



Wibtek*
Model: TH61G-P
Chipset: H61

Other Compatible Components



4th Generation Intel® Core™ Processors



3rd Generation Intel® Core™ Processors



Intel® Wireless Adapters

- Intel® Dual Band Wireless-AC 7260 (802.11ac)
- Intel® Dual Band Wireless-N 7260 (802.11agn)
- Intel® Centrino® Ultimate-N 6300 (802.11agn)



Intel® SSD 520, 335, 330, 320 Series

- 2.5 Inch or 1.8 Inch (model dependent)



Intel® SSD 313 Series

- 2.5 Inch or mSATA Interface



Intel® SSD 525 Series

- mSATA Interface

Power Adapter Designs for AIO* and Small Form Factor Chassis

Maker	Model P/N	Wattage	Voltage
Bestec*	BT-AG151EBF-H	150 W	19V
	BT-AG151EBF	150 W	19V
	BT-AG181EGF-H	180 W	19V
Delta*	ADP-150TB B*	150 W	19V
FSP*	FSP120-ABAN1	120 W	19V
	FSP150-ABAN1	150 W	19V
	FSP180-ABAN1	180 W	19V
Liteon*	PA-1151-03XX	150W	19V
	PA-1181-02XX	180W	19V
Great Wall*	GA120S	120 W	19V
	GA150S	150 W	19V

Table A: High Wattage Power Adapters for AIOs and Small Form Factor Chassis

Maker	Model P/N	Wattage	Voltage
FSP*	FSP075-DMAB1	75 W	19V
	FSP090DMAB1	90 W	19V

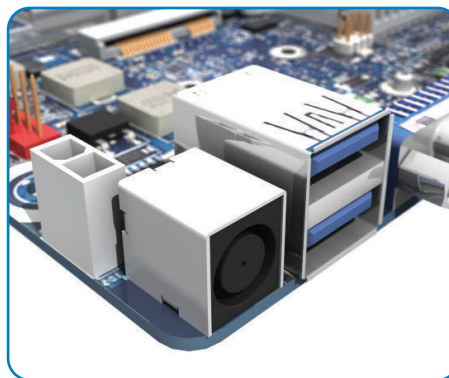
Table B: Power Adapters for Atom Based Systems

* For more information on High Wattage Power Adapter Designs for AIO PCs, visit intel.com/go/poweradapters

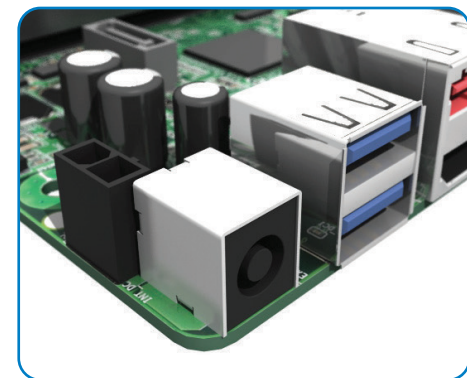
Mainstream Motherboard Power Connector



Standard 19 V Connector for Intel® Core™ Based Boards



Standard 19 V Connector for Intel® Atom™ Based Boards



Small Form Factor Chassis



In Win* nvertible
Model: K1 Co



G-Alantic*
Model: GA6501



Monitor not included

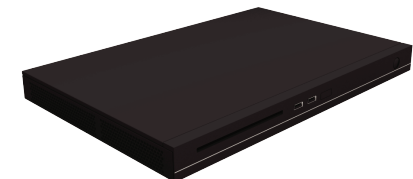
Lian-Li*
Model: PC-Q05



Morex*
Model: 5505



Morex*
Model: 8810

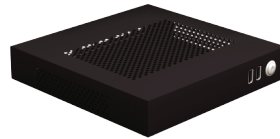


Morex*
Model: 887

Small Form Factor Chassis



Morex*
Model: 557



OEM Productions*
Model: ITX-100H-H6100A



SilverStone*
Model: DH61AG chassis



In Win*
Model: K1-HTPC



In Win*
Model: K2 Convertible



Avance*
Model: Z100

For more information on designing for the Thin Mini-ITX platform, visit intel.com/go/aio

For more information on purchasing these components, visit intel.com/reseller

** Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, visit intel.com/performance/resources/benchmark_limitations.htm.


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